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REMARKS

In compliance with 37 C.F.R. § 1.821 through § 1.825, applicants have amended the specification to add Sequence Identifiers. No new matter has been added by this amendment. Applicants respectfully request entry of the present amendment.

Attached hereto is a marked up version of the changes made to the specification by the current amendment with additions underlined and deletions bracketed. The attached pages are captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

CONCLUSION

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket no. 348022001600. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: October 26, 2001

By: 

Debra J. Glaister
Registration No. 33,888

Morrison & Foerster LLP
755 Page Mill Road
Palo Alto, California 94304-1018
Telephone: (650) 813-5725
Facsimile: (650) 494-0792

VERSION WITH MARKINGS TO SHOW CHANGES MADE

METHODS OF TREATING NEOPLASIA WITH COMBINATION TARGET CELL-SPECIFIC
ADENOVIRUS, CHEMOTHERAPY AND RADIATION

On page 17, the paragraph containing line 20 has been amended, as follows;

Figure 37 depicts a nucleotide SEQ ID NO: 17 and amino acid sequence SEQ ID NO: 18 for ADP.

On page 77, please amend the paragraph containing lines 28 and 31, as follows:

In some embodiments, a melanocyte-specific TRE comprises sequences derived from the 5' flanking region of a human tyrosinase gene depicted in Table 14. In some of these embodiments, the melanocyte-specific TRE comprises tyrosinase nucleotides from about -231 to about +65 relative to the transcription start site (from about nucleotide 244 to about nucleotide 546 of SEQ ID NO:[]10) and may further comprise nucleotides from about -1956 to about -1716 relative to the human tyrosinase transcription start site (from about nucleotide 6 to about nucleotide -243 of SEQ ID NO:[]10). A tyrosinase TRE can comprise nucleotides from about -231 to about + 65 juxtaposed to nucleotides from about -1956 to about -1716. It has been reported that nucleotides from about -1956 to about -1716 relative to the human tyrosinase transcription start site can confer melanocyte-specific expression of an operably linked reporter gene with either a homologous or a heterologous promoter. Accordingly, in some embodiments, a melanocyte-specific TRE comprises nucleotides from about -1956 to about -1716 operably linked to a heterologous promoter.

On page 86, the paragraph containing lines 30 and 33 has been amended, as follows:

IRES elements were first discovered in picornavirus mRNAs (Jackson RJ, Howell MT, Kaminski A (1990) *Trends Biochem Sci* 15(12):477-83) and Jackson RJ and Kaminski, A. (1995) *RNA* 1(10):985-1000). The present invention provides improved adenovirus vectors comprising co-transcribed first and second genes under transcriptional control of a heterologous, target cell-specific TRE, and wherein the second gene (i.e., coding region) is under translational control of an internal ribosome entry site (IRES). Any IRES may be used in the adenovirus vectors of the invention, as long as they exhibit requisite function in the vectors. Example of IRES which can be used in the present invention include those provided in Table I and referenced in Table II.

Examples of IRES elements include the encephelomyocarditis virus (EMCV) which is commercially available from Novagen (Duke et al. (1992) *J. Virol* 66(3):1602-9) the sequence for which is depicted in Table 12 (SEQ ID NO:1). Another example of an IRES element disclosed herein is the VEGF IRES (Huez et al. (1998) *Mol Cell Biol* 18(11):6178-90). This IRES has a short segment and the sequence is depicted in Table 12 (SEQ ID NO:2).

On page 131, Table 9 has been amended, as follows:

Table 9

Primer	Sequence	Note
A.	5'-GACGTCGACTAATTCCGGTTATTTCCA <u>SEQ ID NO: 19</u>	For PCR EMCV IRES, <i>GTCGAC</i> is a SalI site.
B.	5'-GACGTCGACATCGTGTTTTTCAAAGGAA <u>SEQ ID NO: 20</u>	For PCR EMCV IRES, <i>GTCGAC</i> is a SalI site.
C.	5'-CCTGAGACGCCCGACATCACCTGTG <u>SEQ ID NO: 21</u>	Ad5 sequence to 1314 to 1338.
D.	5'- <u>GTCGACCATT</u> CAGCAAACAAAGGCGTTAAC <u>SEQ ID NO: 22</u>	Antisense of Ad5 sequence 1572 to 1586. <i>GTCGAC</i> is a SalI site. Underline region overlaps with E.
E.	5'- <u>TGCTGAATGGTCGACAT</u> GAGGCTTGGGAG <u>SEQ ID NO: 23</u>	Ad5 sequence 1714 to 1728. <i>GTCGAC</i> is a SalI site. Underline region overlaps with D.
F.	5'-CACAAACCGCTCTCCACAGATGCATG <u>SEQ ID NO: 24</u>	Antisense of Ad5 sequence 2070 to 2094.

On page 134, the paragraph containing lines 22 and 23 has been amended, as follows:

The 519 base pair EMCV IRES segment was PCR amplified from Novagen's pCITE vector by primers A/B:

primer A: 5'-GACGTCGACTAATTCCGGTTATTTCCA SEQ ID NO: 19

primer B 5'-GACGTCGACATCGTGTTTTTCAAAGGAA SEQ ID NO: 20 (*GTCGAC* is a SalI site).

On page 135, the paragraph containing lines 13 and 14 has been amended, as follows:

CP1088

The 2.2kb (-2225 to +1) human UPII was amplified from CP657 with primer 127.2.1 (5'-AGGACCGGTCACCTATAGGGCACGCGTGGT-3' (SEQ ID NO: 25)) PLUS 127.2.2 (5'-AGGACCGGTGGGATGCTGGGCTGGGAGGTGG-3' (SEQ ID NO: 26)) and digested with PinAI and ligated with CP629 cut with PinAI.

On page 137, Table 11 has been amended, as follows:

TABLE 11

Name	Vector	Ad 5 Vector	E1A TRE	E1B TRE	E3
CV874	CP1086	pBHGE3	1.9 kb mUPII	IRES	intact
CV875	CP1087	pBHGE3	1.0 kb hUPII	IRES	intact
CV876	CP1088	pBHGE3	2.2 kb hUPII	IRES	intact
CV877	CP1089	pBHGE3	1.0 kb mUPII	1.0 kb hUPII (E1B promoter deleted)	intact
CV882	CP1129	pBHGE3	1.8 kb hUPII	IRES	intact
CV884	CP1131	pBHGE3	1.8 kb hUPii	IRES (E1B 19-kDa deleted)	intact

Viruses are tested and characterized as described above.

Primer sequences:

96.74.1	GACGTCGACATCGTGTTTTTCAAAGGAA SEQ ID NO: 20
96.74.2	GACGTCGACTAATTCGGTTATTTTCCA SEQ ID NO: 19
96.74.3	CCTGAGACGCCCGACATCACCTGTG SEQ ID NO: 21
96.74.4	TGCTGAATGGTCGACATGGAGGCTTGGGAG SEQ ID NO: 23
96.74.5	CACAACCGCTCTCCACAGATGCATG SEQ ID NO: 24
96.74.6	GTCGACCATTTCAGCAAACAAAGGCGTTAAC SEQ ID NO: 22
100.113.1	AGGGGTACCCACTATAGGGCACGCGTGGT SEQ ID NO: 27
100.113.2	ACCCAAGCTTGGGATGCTGGGCTGGGAGGTGG SEQ ID NO: 28
127.2.2	AGGACCGGTGGGATGCTGGGCTGGGAGGTGG SEQ ID NO: 26
127.50.1	AGGACCGGTCAGGCTTCACCCAGACCCAC SEQ ID NO: 29
31.166.1	TGCGCCGGTGTACACAGGAAGTGA SEQ ID NO: 30

32.32.1 GAGTTTGTGCCATCGGTCTAC SEQ ID NO: 31
 32.32.2 AATCAATCCTTAGTCCTCCTG SEQ ID NO: 32
 51.176 GCAGAAAAATCTTCCAAACACTCCC SEQ ID NO: 33
 99.120.1 ACGTACACCGGTCGTTACATAACTTAC SEQ ID NO: 34
 99.120.2 CTAGCAACCGGTCGGTTCATAAACG SEQ ID NO: 35

On page 139, the paragraph containing line 11 has been amended, as follows:

B. Example 16: Construction of a Replication-Competent Adenovirus Vector with a CEA-TRE and a EMCV IRES

Using a strategy similar to Example 1, the TRE fragment from Carcinembryonic antigen (CEA)(Table 14, SEQ ID NO:[]14) is used to construct virus designated CV873. A PinAI fragment containing the CEA-TRE was cloned into the PinAI site in front of E1A of CP627 for the transcriptional control. The resultant plasmid CP1080 is used together with pBHGE3 to generate CV873.

On page 167, the paragraph containing line 3 has been amended, as follows:

1. Table 12: IRES Sequences

SEQ ID NO:[]1 A 519 base pair IRES obtainable from encephelomyocarditis virus (EMCV).

1 GACGTCGACTAATTCCGGTTATTTTCCACCATATTGCCGTCTTTTGGCAA
 SalI
 51 TGTGAGGGCCCGGAAACCTGGCCCTGTCTTCTTGACGAGCATTCCCTAGGG
 101 GTCTTTCCCCTCTCGCCAAAGGAATGCAAGGTCTGTTGAATGTCGTGAAG
 151 GAAGCAGTTCTCTGGAAGCTTCTTGAAGACAAACAACGTCTGTAGCGAC
 201 CCTTTGCAGGCAGCGGAACCCCCACCTGGCGACAGGTGCCTCTGCGGCC
 251 AAAAGCCACGTGTATAAGATACACCTGCAAAGGCGGCACAACCCCAAGTGC
 301 CACGTTGTGAGTTGGATAGTTGTGGAAAGAGTCAAATGGCTCTCCTCAAG
 351 CGTATTCAACAAGGGGCTGAAGGATGCCCAGAAGGTACCCCAATTGTATGG
 401 GATCTGATCTGGGGCCTCGGTGCACATGCTTTACATGTGTTTAGTCGAGG

451 TTAAAAAACGTCTAGGCCCCCGAACCACGGGGACGTGGTTTTCTTTGA

SalI

501 AAAACACGATGTCGACGTC

On page 167, the paragraph containing line 19 has been amended, as follows:

SEQ ID NO:[]2 An IRES obtainable from vascular endothelial growth factor (VEGF).

1 ACGTAGTCGACAGCGCAGAGGCTTGGGGCAGCCGAGCGGCAGCCAGGCCC
SalI
51 CGGCCCCGGGCCTCGTTCCAGAAGGGAGAGAGCCCGCCAAGGCGCGCAA
101 GAGAGCGGGCTGCCTCGCAGTCCGAGCCGGAGAGGGAGCGCGAGCCGCGC
151 CGGCCCCGACGGCCTCCGAAACCATGGTCGACACGTA
SalI

On page 167, the paragraph containing line 28 has been amended, as follows:

SEQ ID NO:[]3 A 5'UTR region of HCV.

1 GCCAGCCCCCTGATGGGGGCGACACTCCGCCATGAATCACTCCCCTGTGAGGAACACTG
61 TCTTCACGCAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCTGTCAGCCTCCAGGAC
121 CCCCCCTCCCGGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCAG
181 GACGACCGGGTCCTTTCTTGGATTAACCCGCTCAATGCCTGGAGATTGGGGCTGCCCCC
241 GCAAGACTGCTAGCCGAGTAGTGTGGGTGCGGAAAGGCCTTGTGGTACTGCCTGATAGG
301 GTGCTTGCAGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACC (341)

On page 168, the paragraph containing 1 has been amended, as follows:

SEQ ID NO:[]4 A 5'UTR region of BiP SEQ ID NO:4

1 CCCGGGGTCACTCCTGCTGGACCTACTCCGACCCCCTAGGCCGGGAGTGAAGGCGGGACT
61 TGTGCGGTTACCAGCGGAAATGCCTCGGGGTGAGAAGTCGCAGGAGAGATAGACAGCTGC
121 TGAACCAATGGGACCAGCGGATGGGGCGGATGTTATCTACCATTGGTGAACGTTAGAAAC
181 GAATAGCAGCCAATGAATCAGCTGGGGGGGCGGAGCAGTGACGTTTATTGCGGAGGGGGC
241 CGCTTCGAATCGGCGGCGGCCAGCTTGGTGGCCTGGGCCAATGAACGGCCTCCAACGAGC

301 AGGGCCTTCACCAATCGGCGGCCTCCACGACGGGGCTGGGGGAGGGTATATAAGCCGAGT
361 AGGCGACGGTGAGGTCGACGCCGGCCAAGACAGCACAGACAGATTGACCTATTGGGGTGT
421 TTCGCGAGTGTGAGAGGGAAGCGCCGCGGCCTGTATTTCTAGACCTGCCCTTCGCCTGGT
481 TCGTGGCGCCTTGTGACCCCGGGCCCCCTGCCGCCTGCAAGTCGAAATTGCGCTGTGCTCC
541 TGTGCTACGGCCTGTGGCTGGACTGCCTGCTGCTGCCCAACTGGCTGGCAAGATG (595)

On page 168, the paragraph containing line 15 has been amended, as follows:

SEQ ID NO:[]5 A 5'UTR of PDGF SEQ ID NO:5

1 GTTTGCACCTCTCCCTGCCCCGGGTGCTCGAGCTGCCGTTGCAAAGCCAACTTTGGAAAAA
61 GTTTTTTTGGGGGAGACTTGGGCCCTTGAGGTGCCCAGCTCCGCGCTTTCCGATTTTGGGGG
121 CTTTCCAGAAAATGTTGCAAAAAAGCTAAGCCGGCGGGCAGAGGAAAACGCCTGTAGCCG
181 GCGAGTGAAGACGAACCATCGACTGCCGTGTTTCCTTTTCCTCTTGGAGGTTGGAGTCCCC
241 TGGGCGCCCCCACACCCCTAGACGCCTCGGCTGGTTTCGCGACGCAGCCCCCGGCCGTGG
301 ATGCTGCACTCGGGCTCGGGATCCGCCCAGGTAGCCGGCCTCGGACCCAGGTCCTGCGCC
361 CAGGTCTCTCCCCTGCCCCCAGCGACGGAGCCGGGGCGGGGGCGGCGGCCGGGGGCA
421 TGCGGGTGAGCCGCGGCTGCAGAGGCCTGAGCGCCTGATCGCCGCGGACCTGAGCCGAGC
481 CCACCCCCCTCCCCAGCCCCCACCCTGGCCGCGGGGGCGGCGCGCTCGATCTACGCGTC
541 CGGGGCCCCGCGGGGCCGGGCCCGGAGTCGGCATG (575)

Beginning on page 169 and ending on page 172, the paragraph containing lines 7 (page 169) and 1 (page 170) has been amended, as follows:

2. Table 14: TRE Sequences

Nucleotide sequence of a human uroplakin II 5' flanking region. Position +1 (the translational start site) is denoted with an asterisk. SEQ ID NO:[]6 (number 1 of SEQ ID NO:[]6 corresponds to position -2239 with respect to the translational start site).

TCGATAGGTA CCCACTATAG GGCACGCGTG GTCGACGGCC CGGGCTGGTC
1 50

TGGCAACTTC AAGTGTGGGC CTTTCAGACC GGCATCATCA GTGTTACGGG

51					100
GAAGTCACTA	GGAATGCAGA	ATTGATTGAG	CACGGTGGCT	CACACCTGTA	
101					150
ATCCCAACAC	TCTGGGAGGC	CAAGGCAGGT	GGATCACTTG	TGGTCAGGAG	
151					200
TTTGAGACCA	GCCTGGCCAA	CATGGTGAAA	CCTCATCTCT	ACTAAAAATA	
201					250
CAAAAATTAG	CTGGGAATGG	TGGCACATGC	CTATAATCCC	AGTTACTCAG	
251					300
GAGGCTGAGG	CAGGAGAATC	ATTTGAACCT	GGGAGGCAGA	GGTTGCAGTG	
301					350
AGCCGAGATC	ACGCCACTGC	ACTCCAGCCT	GGGTGACACA	GCGAGACTCT	
351					400
GTCTCAAAAA	AAAAAAAATG	CAGAATTTCA	GGCTTCACCC	CAGACCCACT	
401					450
GCATGACTGC	ATGAGAAGCT	GCATCTTAAC	AAGATCCCTG	GTAATTCATA	
451					500
CGCATATTAA	ATTTGGAGAT	GCACTGGCGT	AAGACCCTCC	TACTCTCTGC	
501					550
TTAGGCCCAT	GAGTTCTTCC	TTTACTGTCA	TTCTCCACTC	ACCCCAAAC	
551					600
TTGAGCCTAC	CCTTCCCACC	TTGGCGGTAA	GGACACAACC	TCCCTCACAT	
601					650
TCCTACCAGG	ACCCTAAGCT	TCCCTGGGAC	TGAGGAAGAT	AGAATAGTTC	
651					700
GTGGAGCAAA	CAGATATACA	GCAACAGTCT	CTGTACAGCT	CTCAGGCTTC	
701					750
TGGAAGTTCT	ACAGCCTCTC	CCGACAAAGT	ATTCCACTTT	CCACAAGTAA	
751					800
CTCTATGTGT	CTGAGTCTCA	GTTTCCACTT	TTCTCTCTCT	CTCTCTCTCT	
801					850
CAACTTTCTG	AGACAGAGTT	TCACTTAGTC	GCCCAGGCTG	GAGTGCAGGG	
851					900
GCACAATCTC	GGCTCACTGC	AACCTCCACC	TCCTGGGTTC	AAGTGTTTCT	
901					950
CCTGTCTCAG	CCTCCCGAGT	AGCTGGGATT	ACAGGCACAC	ACCACCGCGT	
		40			

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951				1000
TAGTTTTTGT	ATTTTTGGTA	GAGATGGTGT	TTCGCCATAT	TGGCCAGGCT
1001				1050
GATCTCGAAC	TCCTGACCTC	AGGTGATCCG	CCCACCTCGG	CCTCCCAAAG
1051				1100
TGCTGGGATT	ACAGGCATGA	GCCACCACGC	CCGGCTGATC	TCTTTTCTAT
1101				1150
TTTAATAGAG	ATCAAACCTCT	CTGTGTTGCC	TAGGCTGGTC	TTGAACTCCT
1151				1200
GGCCTCGAGT	GATCCTCCCA	CCTTGGCCTC	CCAAAGTGTT	GAGATTACAG
1201				1250
GCATGAGCCA	CTGTGCCTGG	CCTCAGTTCT	ACTACAAAAG	GAAGCCAGTA
1251				1300
CCAGCTACCA	CCCAGGGTGG	CTGTAGGGCT	ACAATGGAGC	ACACAGAACC
1301				1350
CCTACCCAGG	GCCCCGAAGA	AGCCCCGACT	CCTCTCCCCT	CCCTCTGCCC
1351				1400
AGAACTCCTC	CGCTTCTTTC	TGATGTAGCC	CAGGGCCGGA	GGAGGCAGTC
1401				1450
AGGGAAGTTC	TGTCTCTTTT	TCATGTTATC	TTACGAGGTC	TCTTTTCTCC
1451				1500
ATTCTCAGTC	CAACAAATGG	TTGCTGCCCA	AGGCTGACTG	TGCCCACCCC
1501				1550
CAACCCCTGC	TGGCCAGGGT	CAATGTCTGT	CTCTCTGGTC	TCTCCAGAAG
1551				1600
TCTTCCATGG	CCACCTTCGT	CCCCACCCTC	CAGAGGAATC	TGAAACCGCA
1601				1650
TGTGCTCCCT	GGCCCCCACA	GCCCCTGCCT	CTCCCAGAGC	AGCAGTACCT
1651				1700
AAGCCTCAGT	GCACTCCAAG	AATTGAAACC	CTCAGTCTGC	TGCCCCTCCC
1701				1750
CACCAGAATG	TTTCTCTCCC	ATTCTTACCC	ACTCAAGGCC	CTTTCAGTAG
1751				1800
CCCCTTGGAG	TATTCTCTTC	CTACATATCA	GGGCAACTTC	CAAACTCATC
1801				1850
ACCCTTCTGA	GGGGTGGGGG	AAAGACCCCC	ACCACATCGG	GGGAGCAGTC

1851				1900
CTCCAAGGAC	TGGCCAGTCT	CCAGATGCCC	GTGCACACAG	GAACACTGCC
1901				1950
TTATGCACGG	GAGTCCCAGA	AGAAGGGGTG	ATTTCTTTCC	CCACCTTAGT
1951				2000
TACACCATCA	AGACCCAGCC	AGGGCATCCC	CCCTCCTGGC	CTGAGGGCCA
2001				2050
GCTCCCCATC	CTGAAAAACC	TGTCTGCTCT	CCCCACCCCT	TTGAGGCTAT
2051				2100
AGGGCCCAAG	GGGCAGGTTG	GACTGGATTC	CCCTCCAGCC	CCTCCCGCCC
2101				2150
CCAGGACAAA	ATCAGCCACC	CCAGGGGCAG	GCCTCACTT	GCCTCAGGAA
2151				2200
CCCCAGCCTG	CCAGCACCTA	TTCCACCTCC	CAGCCCAGCA	
2201			2239	

Beginning on page 172 and ending on page 177, the paragraph containing lines 33 and 34 (page 172) has been amended, as follows:

Nucleotide sequence of a mouse uroplakin II 5' flanking region. The translational start site is denoted with an asterisk. SEQ ID NO:[_]7 (number 1 of SEQ ID NO:[6_]7 corresponds to position -3592 with respect to the translational start site).

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CTCGAGGATCTCGGCCCTCTTTCTGCATCCTTGTCCTAAATCATTTTCAT
1                                                                50
ATCTTGCTAGACCTCAGTTTGAGAGAAACGAACCTTCTCATTTTCAAGTT
51                                                                100
GAAAAAAAAAAGAGGTTCAAAGTGGCTCACTCAAAGTTACAAGCCAACAC
101                                                                150
TCACCACTACGAGTACAATGGCCACCATTAGTGCTGGCATGCCCCAGGAG
151                                                                200
ACAGGCATGCATATTATTCTAGATGACTGGGAGGCAGAGGGGTGGCCTAG
201                                                                250
TGAGGTCAGACTGTGGACAGATCAGGCAGATGTGGGTTCTGATCCCAATT
251                                                                300

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CCTCAGGCCGCGAAGCTACTGTGGTTCAAGAAGGGGACAAAAGGACTGCA
 301 350
 GTCCGGAACAGGAGGTCCATTTGAGAGCTGACTGAGCAGAAGAGGAAAGT
 351 400
 GAAGAACTTCTGGGGCAAGAGCTTACCCTACTTTACAGCTTTGTTGTCTT
 401 450
 CTTTACTCCAGGGGCGTCCCTGGTACTCAGTAAATGTCTGTTGGCTTGAG
 451 500
 GAACATATGTGTAAGGAGGAAGGAGAGGGAACTTGAGGGAGTTAAGACTC
 501 550
 AAGAATCAATCAAGGAGAGGACAGCAGAGAAGACAGGGTTTGGGAGAGAG
 551 600
 ACTCCAGACATTGGCCCTGGTTCCCTTCTTGGCCACTGTGAAACCCCTCCA
 601 650
 GAGGAACTGAGTGCTGTGGCTTTAAATGATCTCAGCACTGTCAGTGAAGC
 651 700
 GCTCTGCTCAAAGAGTTATCCTCTTGCTCCTGTGCCGGGGCCTCCCCCTC
 701 750
 CTCTCAGCTCCCCAACCCCTTCTCAGCCACTGTGATGGCATAATTAGATGC
 751 800
 GAGAGCTCAGACCGTCAGGTCTGCTCCAGGAACCACCCATTTTCCCCAAC
 801 850
 CCCAGAGAAAGGTCCTAGTGGAAGAGTGGGGGCCACTGAAGGGCTGATGG
 851 900
 GGTTCTGTCCTTTCCCCCATGCTGGGTGGACTTAAAGTCTGCGATGTGTG
 900 950
 TAGGGGGTAGAAGACAACAGAACCTGGGGGCTCCGGCTGGGAGCAGGAGG
 951 1000
 AACTCTCACCAGACGATCTCCAAATTTACTGTGCAATGGACGATCAGGAA
 1001 1050
 ACTGGTTCAGATGTAGCTTCTGATACAGTGGGTCTGAGGTAAAACCCGAA
 1051 1100
 ACTTAATTTCTTTCAAAAATTTAAAGTTGCATTTATTATTTTATATGTGT
 1101 1150
 GCCCATATGTGTGCCACAGTGTCTATGTGGAGGTCAGAGGGCAAGTTGTG
 1151 1200
 GGCATTGGCTCTCTCCTTTCATAATGTGGCTTCTGGGGACCAAAATGTCA

1201 1250
GGCATGGTGGCAAGAGCTTTTACCTGTTGAGCCATCTCATGGTTTCGTAA
1251 1300
AACTTCCTATGACGCTTACAGGTAACGCAGAGACACAGACTCACATTTGG
1301 1350
AGTTAGCAGATGCTGTATTGGTGTAACACTCATAACAGACACACACAC
1351 1400
ATACTCATAACACACACACACACTTATCACATGCACACACATACTCGTA
1401 1450
TACACACAGACACACACACATGCACTCTCACATTCACATATTCATACACA
1451 1500
TCCACACACACACTCATCCACACACACAGACACACATACTCATCCACACA
1501 1550
CACACACACACATACTCATAACACACACAGACACACATACTCATAACACA
1551 1600
CACACAGACACACACATATAATCATAACACACAGACACACTCATAACATG
1601 1650
TGCACACACACACTCATCCACACACACACACTCATAACACACACACTCA
1651 1700
TACACACACACACTCATAACACACACACAGAGGTTTTTCTCAGGCTGCCT
1701 1750
TTGGGTGGAGACTGGAAGTATTTCTGTTTTTCAGCTCCTTGGCTTTTTG
1751 1800
TCCCTTTAGATGAGATCTCCTCCTCACTTTACACACAGAAAGATCACACA
1801 1850
CGAGGGAGAACTGGCGGTGCGGAAGAGGGCTACACGGTAGGGTGTCAGGG
1851 1900
TCAGGAGATCTTCCTGGCAAGTCTCAAACCTCCACATAGCACAGTGTTTA
1901 1950
CGTGAGGATTTAGGAGGAATCAGGAAGAGGATTGGTTTACTGCAGAGCAG
1951 2000
ACCATATAGGTCCACTCCTAAGCCCCATTTGAAATTAGAAGTGAGACAGT
2001 2050
GTGGGATAAAAAGAGCAGATCTCTGGTCACATTTTTAAAGGGATATGAGG
2051 3000
GTCCTGTGCCTTTAAGCCTTCCCATCTCCCTCCAATCCCCCCTCACCTTC

2101	2150
CCCACCCTAACCCCTCCCCAGGTTTCTGGAGGAGCAGAGTTGCGTCTTCTC	
2151	2200
CCTGCCCTGCCGAGCTGCTCACTGGCTGCTCTAGAGGCTGTGCTTTGCGG	
2201	2250
TCTCCATGGAAACCATTAGTTGCTAAGCAACTGGAGCATCATCTGTGCTG	
2251	2300
AGCTCAGGTCCTATCGAGTTCACCTAGCTGAGACACCCACGCCCCTGCAG	
2301	2350
CCACTTTGCAGTGACAAGCCTGAGTCTCAGGTTCTGCATCTATAAAAACG	
2351	2400
AGTAGCCTTTTCAGGAGGGCATGCAGAGCCCCCTGGCCAGCGTCTAGAGGA	
2401	2450
GAGGTGACTGAGTGGGGCCATGTCACCTCGTCCATGGCTGGAGAACCTCCA	
2451	2500
TCAGTCTCCCAGTTAGCCTGGGGCAGGAGAGAACCAGAGGAGCTGTGGCT	
2501	2550
GCTGATTGGATGATTTACGTACCCAATCTGTTGTCCCAGGCATCGAACC	
2551	2600
CAGAGCGACCTGCACACATGCCACCGCTGCCCCGCCCTCCACCTCCTCTG	
2601	2650
CTCCTGGTTACAGGATTGTTTTGTCTTGAAGGGTTTTGTTGTTGCTACTT	
2651	2700
TTTGCTTTGTTTTTTCTTTTTTAACATAAGGTTTCTCTGTGTAGCCCTAG	
2701	2750
CTGTCCTGGAACCTCACTCTGTAGACCAGGCTGGCCTCAAACCTCAGAAATC	
2751	2800
CACCTTCCTCCCAAGTGCTGGGATTAAAGGCATTTCGCACCATCGCCCAGC	
2801	2850
CCCCGGTCTTGTTTCCTAAGGTTTTCTGCTTTACTCGCTACCCGTTGCA	
2851	2900
CAACCGCTTGCTGTCCAAGTCTGTTTGTATCTACTCCACCGCCCACTAGC	
2901	2950
CTTGCTGGACTGGACCTACGTTTACCTGGAAGCCTTCACTAACTTCCCTT	
2951	3000
GTCTCCACCTTCTGGAGAAATCTGAAGGCTCACACTGATACCCTCCGCTT	

3001	3050
CTCCCAGAGTCGCAGTTTCTTAGGCCTCAGTTAAATACCAGAATTGGATC	
3051	3100
TCAGGCTCTGCTATCCCCACCCTACCTAACCAACCCCTCCTCTCCCATC	
3101	3150
CTTACTAGCCAAAGCCCTTTCAACCCTTGGGGCTTTTCCTACACCTACAC	
3151	3200
ACCAGGGCAATTTTAGAACTCATGGCTCTCCTAGAAAACGCCTACCTCCT	
3201	3250
TGGAGACTGACCCTCTACAGTCCAGGAGGCAGACACTCAGACAGAGGAAC	
3251	3300
TCTGTCCTTCAGTCGCGGGAGTTCCAGAAAGAGCCATACTCCCCTGCAGA	
3301	3350
GCTAACTAAGCTGCCAGGACCCAGCCAGAGCATCCCCCTTTAGCCGAGGG	
3351	3400
CCAGCTCCCCAGAATGAAAAACCTGTCTGGGGCCCCTCCCTGAGGCTACA	
3401	3450
GTCGCCAAGGGGCAAGTTGGACTGGATTCCCAGCAGCCCCTCCCCTCCG	
3451	3500
AGACAAAATCAGCTACCCTGGGGCAGGCCTCATTGGCCCCAGGAAACCCC	
3501	3550
AGCCTGTCAGCACCTGTTCCAGGATCCAGTCCCAGCGCAGTA	
3551	
3592	

On page 177, the paragraph containing line 1 has been amended, as follows:

AFP-TRE. SEQ ID NO:[]8.

1	GCATTGCTGTGAACTCTGTACTTAGGACTAAACTTTGAGCAATAACACACATAGATTGAG
61	GATTGTTTGCTGTTAGCATACAACTCTGGTTCAAAGCTCCTCTTTATTGCTTGTCTTGG
121	AAAATTTGCTGTTCTTCATGGTTTCTCTTTTCACTGCTATCTATTTTTCTCAACCACTCA
181	CATGGCTACAATAACTGTCTGCAAGCTTATGATTCCCAAATATCTATCTCTAGCCTCAAT
241	CTTGTTCCAGAAGATAAAAAGTAGTATTCAAATGCACATCAACGTCTCCACTTGGAGGGC
301	TTAAAGACGTTTCAACATACAAACCGGGGAGTTTTGCCTGGAATGTTTCCTAAAATGTGT
361	CCTGTAGCACATAGGGTCCTCTTGTTCCCTTAAAATCTAATTACTTTTAGCCCAGTGCTCA

421 TCCCACCTATGGGGAGATGAGAGTGAAAAGGGAGCCTGATTAATAATTACACTAAGTCAA
 481 TAGGCATAGAGCCAGGACTGTTTGGGTAAACTGGTCACTTTATCTTAACTAAATATATC
 541 CAAAACCTGAACATGTACTTAGTTACTAAGTCTTTGACTTTATCTCATTACATACCACTCAG
 601 CTTTATCCAGGCCACTTATGAGCTCTGTGTCCTTGAACATAAAATACAAATAACCGCTAT
 661 GCTGTTAATTATTGGCAAATGTCCCATTTTCAACCTAAGGAAATACCATAAAGTAACAGA
 721 TATACCAACAAAAGGTTACTAGTTAACAGGCATTGCCTGAAAAGAGTATAAAAGAATTTTC
 781 AGCATGATTTTCCATATTGTGCTTCCACCACTGCCAATAACA (822)

Beginning on page 177 and ending on page 178, the paragraph containing line 40 (page 177) has been amended, as follows:

Probasin -TRE SEQ ID NO:[]9
 -426
 5' -AAGCTTCCACAAGTGCATTTAGCCTCTCCAGTATTGCTGATGAATCCACAGT
 TCAGGTTCAATGGCGTTCAAACTTGATCAAAAATGACCAGACTTTATATTTA
 CACCAACATCTATCTGATTGGAGGAATGGATAATAGTCATCATGTTTAAACAT
 CTACCATTCCAGTTAAGAAAATATGATAGCATCTTGTCTTAGTCTTTTTCTTA
 ARE-1
 ATAGGGACATAAAGCCCACAAATAAAAATATGCCTGAAGAATGGGACAGGC
 ATTGGGCATTGTCCATGCCTAGTAAAGTACTCCAAGAACCTATTTGTATACTA
 ARE-2
 GATGACACAATGTCAATGTCTGTGTACAACCTGCCAACTGGGATGCAAGACAC
 TGCCCATGCCAATCATCCTGAAAAGCAGCTATATAAAAGCAGGAAGCTACTCT
 CAAT box TATAA box
 +1 +28
 GCACCTTGTTCAGTAGGTCCAGATACCTACAG-3'
 Transcription site

On page 178, the paragraph containing line 6 has been amended, as follows:

Tyrosinase-TRE SEQ ID NO:[]10

PinAl end

1 CCGGTTGAAAATGATAAGTTGAATTCTGTCTTCGAGAACATAGAAAAGAA

51 TTATGAAATGCCAACATGTGGTTACAAGTAATGCAGACCCAAGGCTCCCC
 101 AGGGACAAGAAGTCTTGTGTAACTCTTTGTGGCTCTGAAAGAAAGAGAG
 151 AGAGAAAAGATTAAGCCTCCTTGTGGAGATCATGTGATGACTTCCTGATT
 201 CCAGCCAGAGCGAGCATTTCCATGGAACTTCTCTTCCTCTTCACTCGAG
 251 ATTACTAACCTTATTGTTAATATTCTAACCATAAGAATTAACTATTAAT
 301 GGTGAATAGAGTTTTTCACTTTAACATAGGCCTATCCCACTGGTGGGATA
 351 CGAGCCAATTTCGAAAGAAAAAGTCAGTCATGTGCTTTTCAGAGGATGAAA
 401 GCTTAAGATAAAGACTAAAAGTGTGTTGATGCTGGAGGTGGGAGTGGTATT
 451 ATATAGGTCTCAGCCAAGACATGTGATAATCACTGTAGTAGTAGCTGGAA
 501 AGAGAAATCTGTGACTCCAATTAGCCAGTTCCTGCAGACCTTGTGA

PinAl end

Beginning on page 178 and ending on page 188, the paragraph containing line 20 (page 178) has been amended, as follows:

Human glandular kallikrein-TRE SEQ ID NO:[]11

gaattcagaa ataggggaag gttgaggaag gacactgaac tcaaagggga tacagtgatt 60
 ggtttatttg tcttctcttc acaacattgg tgctggagga attcccaccc tgagggtatg 120
 aagatgtctg aacacccaac acatagcact ggagatatga gctcgacaag agtttctcag 180
 ccacagagat tcacagccta gggcaggagg aactgtacg ccaggcagaa tgacatggga 240
 attgcgctca cgattggctt gaagaagcaa ggactgtggg aggtgggctt ttagtaaca 300
 agagggcagg gtgaactctg attcccatgg gggaatgtga tggtcctgtt acaaattttt 360
 caagctggca ggggaataaaa cccattacgg tgaggacctg tggagggcgg ctgcccac 420
 tgataaagga aatagccagg tgggggcctt tcccattgta ggggggacat atctggcaat 480
 agaagccttt gagacccttt aggggtacaag tactgaggca gcaaataaaa tgaaatctta 540
 tttttcaact ttatactgca tgggtgtgaa gatatatgtg tttctgtaca gggggtgagg 600
 gaaaggaggg gaggaggaaa gttcctgcag gtctggtttg gtcttgtgat ccaggggggtc 660
 ttggaactat ttaaattaaa ttaaattaaa acaagcgact gttttaaatt aaattaaatt 720
 aaattaaatt ttactttatt ttatcttaag ttctgggcta catgtgcagg acgtgcagct 780

ttgttacata ggtaaacgtg tgccatggtg gtttgctgta cctatcaacc catcacctag 840
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 caacaggccc cagtgtgtgt tgttccctc cctgtgtcca tgtgttctca ttgttcagct 960
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gatcatcca acccctgttg ctgttcatcc tgagcctgcc ttctctggct ttgttccta 11760
gatcacatct ccatgatcca taggcctgc ccaatctgac ctacaccgt gggaatgcct 11820
ccagactgat ctagtatgtg tggaacagca agtgctggct ctccctcccc ttccacagct 11880
ctgggtgtgg gagggggttg tccagcctcc agcagcatgg ggaggcctt ggtcagcatc 11940
taggtgcaa cagggcaagg gcggggtcct ggagaatgaa ggctttatag ggctcctcag 12000
ggaggcccc cagcccaaa ctgcaccacc tggccgtgga caccggt 12047

On page 188, the paragraph containing line 37 has been amended, as follows:

HRE-TRE SEQ ID NO:[]12

ccccgagg cagtgcac gaggctcagg gcgtgcgt gactgcagcagaccccc gggtgcag gccgga

On page 188, the paragraph containing line 42 has been amended, as follows:

PSA-TRE SEQ ID NO:[]13

aagcttctag ttttcttttc ccggtgacat cgtggaaagc actagcatct ctaagcaatg 60
atctgtgaca atattcacag tgtaatgcca tccagggaac tcaactgagc cttgatgtcc 120
agagatTTTT gtgtTTTTTT ctgagactga gtctcgctct gtgccaggct ggagtgcagt 180
ggtgcaacct tggctcactg caagctccgc ctctggggt cagccattc tcctgcctca 240

gcctcctgag tagctgggac tacaggcacc cgccaccacg cctggctaata ttttttgtat 300
tttttagtaga gatgggggtt cactgtgtta gccaggatgg tctcagtctc ctgacctcgt 360
gatctgcccc ccttggcctc ccaaagtgtt gggatgacag gcgtgagcca ccgcgcctgg 420
ccgatatcca gagatTTTTT ggggggctcc atcacacaga catgttgact gtcttcatgg 480
ttgactttta gtatccagcc cctctagaaa tctagctgat atagtgtggc tcaaacctt 540
cagcacaat cacaccgtta gactatctgg tgtggcccaa accttcaggt gaacaaaggg 600
actctaattt ggcaggatac tccaaagcat tagagatgac ctcttgcaa gaaaaagaaa 660
tggaagaaa aaagaaagaa aggaagaaaa aaaaaaaa gagatgacct ctgaggctct 720
gaggggaaac gcctgaggtc tttgagcaag gtcagtcctc tgttgacag tctccctcac 780
agggtcattg tgacgatcaa atgtggtcac gtgtatgagg caccagcaca tgcctggctc 840
tgaggagtgc cgtgtaagt tatgcttgca ctgctgaatg gctgggatgt gtcagggatt 900
atcttcagca cttacagatg ctcatctcat cctcacagca tcactatggg atgggtatta 960
ctggcctcat ttgatggaga aagtggctgt ggctcagaaa ggggggacca ctagaccagg 1020
gacactctgg atgctgggga ctccagagac catgaccact caccaactgc agagaaatta 1080
attgtggcct gatgtccctg tcttgagag ggtggaggtg gaccttact aacctctac 1140
cttgaccctc tcttttaggg ctctttctga cctccaccat ggtactagga cccattgta 1200
ttctgtacc tcttgactct atgaccccca ccgcccactg catccagctg ggtccctcc 1260
tatctctatt ccagctggc cagtgcagtc tcagtgccca cctgtttgtc agtaactctg 1320
aaggggctga cattttactg acttgcaaac aaataagcta actttccaga gttttgtgaa 1380
tgctggcaga gtccatgaga ctctgagtc agaggcaaag gcttttactg ctacagctt 1440
agcagacagc atgaggttca tgttcacatt agtacacctt gccccccca aatctttag 1500
ggtgaccaga gcagtctagg tggatgctgt gcagaagggg tttgtgccac tggtgagaaa 1560
cctgagatta ggaatcctca atcttatact gggacaactt gcaaacctgc tcagcctttg 1620
tctctgatga agatattatc ttcattgatc tggattgaaa acagacctac tctggaggaa 1680
catattgtat cgattgtcct tgacagtaaa caaatctgtt gtaagagaca ttatctttat 1740
tatctaggac agtaagcaag cctggatctg agagagatat catcttgcaa ggatgcctgc 1800
tttacaacaa tccttgaaac aacaatccag aaaaaaaa gtgttactgt ctttgctcag 1860
aagacacaca gatactgac agaaccatgg agaattgcct cccaacgctg ttcagccaga 1920

gccttccacc ctttctgcag gacagtctca acgttccacc attaaatact tcttctatca 1980
catcccgctt ctttatgcct aaccaagggt ctaggtcccg atcgactgtg tctggcagca 2040
ctccactgcc aaaccagaa taaggcagcg ctcaggatcc cgaaggggca tggctgggga 2100
tcagaacttc tgggtttgag tgaggagtgg gtccaccctc ttgaatttca aaggaggaag 2160
aggctggatg tgaagggtact gggggaggga aagtgtcagt tccgaactct taggtcaatg 2220
agggaggaga ctggtaagggt cccagctccc gaggtactga tgtgggaatg gcctaagaat 2280
ctcatatcct caggaagaag gtgctggaat cctgaggggt agagttcttg gtatatgtgt 2340
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gtgatagtaa tgggatctct tgattcctca agagtctgag gatcgagggt tgcccattct 2460
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gaagggtccc tgggcaagca caatctgagc atgaaagatg cccagaggc cttgggtgtc 2580
atccactcat catccagcat cacactctga ggggtgtggc agcaccatga cgtcatgttg 2640
ctgtgactat ccctgcagcg tgctctcca gccacctgcc aaccgtagag ctgcccattc 2700
tcctctggtg ggagtggcct gcatgggtgcc aggctgaggc ctagtgtcag acagggagcc 2760
tggaatcata gggatccagg actcaaaagt gctagagaat ggccatatgt caccatccat 2820
gaaatctcaa gggcttcttg gtggagggca cagggacctg aacttatggt ttcccaagtc 2880
tattgctctc ccaagtgagt ctcccagata cgaggcactg tgccagcatc agccttatct 2940
ccaccacatc ttgtaaaagg actaccagg gccctgatga acaccatggt gtgtacagga 3000
gtaggggggtg gaggcacgga ctctgtgag gtcacagcca agggagcatc atcatgggtg 3060
gggaggaggc aatggacagg cttgagaacg gggatgtggt tgtatttgggt tttctttgggt 3120
tagataaagt gctgggtata ggattgagag tggagtatga agaccagtta ggatggagga 3180
tcagattgga gttgggttag ataaagtgt gggatataga ttgagagtgg agtatgaaga 3240
ccagttagga tggaggatca gattggagtt gggttagaga tggggtaaaa ttgtgctccg 3300
gatgagtttg ggattgacac tgtggagggtg gtttgggatg gcatggcttt gggatggaaa 3360
tagatttgtt ttgatgttgg ctccagacatc cttggggatt gaactgggga tgaagctggg 3420
tttgattttg gaggtagaag acgtggaagt agctgtcaga ttgacagtg gccatgagtt 3480
ttgtttgatg gggaaatcaa caatggggga agacataagg gttggcttgt taggttaagt 3540
tgcgttgggt tgatggggtc ggggctgtgt ataatgcagt tggattggtt tgtattaaat 3600
tggtttgggt cagggttttg ttgaggatga gttgaggata tgcttgggga caccggatcc 3660

atgaggttct cactggagtg gagacaaact tcctttccag gatgaatcca gggaagcctt 3720
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gatggtctta aattgtgatt atctatatcc acttctgtct ccctcactgt gcttggagtt 3840
tacctgatca ctcaactaga aacaggggaa gattttatca aattcttttt tttttttttt 3900
tttttttgag acagagtctc actctgttgc ccaggctgga gtgcagtggc gcagtctcgg 3960
ctcactgcaa cctctgctc ccaggttcaa gtgattctcc tgcctcagcc tcctgagttg 4020
ctgggattac aggcattgag caccatgccc agctaatttt tgtattttta gtagagatgg 4080
ggtttcacca atgtttgcca ggctggcctc gaactcctga cctggtgatc cacctgcctc 4140
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aataaccaac tttttgaaa ttgatgaaat cttacggagt taacagtgga ggtaccaggg 4320
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atcttttttt tttttttttt aaatcgaggt ttcagtctca ttctatttcc caggctggag 4440
ttcaatagcg tgatcacagc tactgtagc cttgaactcc tggccttaag agattctcct 4500
gcttcggtct cccaatagct aagactacag tagtccacca ccatatccag ataattttta 4560
aatttttttg ggggcccggc acagtggctc acgcctgtaa tccaacacc atgggaggct 4620
gagatgggtg gatcacgagg tcaggagttt gagaccagcc tgaccaacat ggtgaaactc 4680
tgtctctact aaaaaaaaaa aaaatagaaa aattagccgg gcgtgggtggc acacggcacc 4740
tgtaatccca gctactgagg aggctgaggc aggagaatca cttgaacca gaaggcagag 4800
gttgcaatga gccgagattg cgccactgca ctccagcctg ggtgacagag tgagactctg 4860
tctcaaaaaa aaaaaatttt tttttttttt ttgtagagat ggatcttgct ttgtttctct 4920
ggttggcctt gaactcctgg cttcaagtga tcctcctacc ttggcctcgg aaagtgttgg 4980
gattacaggc gtgagccacc atgactgacc tgcgtttaat cttgaggtac ataaacctgg 5040
ctcctaaagg ctaaaggcta aatatttggt ggagaagggg cattggattt tgcattgagga 5100
tgattctgac ctgggagggc aggtcagcag gcattctctgt tgcacagata gattgtacag 5160
gtctggagaa caaggagtgg ggggttattg gaattccaca ttgtttgctg cacgttggat 5220
tttgaaatgc tagggaactt tgggagactc atatttctgg gctagaggat ctgtggacca 5280
caagatcttt ttatgatgac agtagcaatg tatctgtgga gctggattct gggttgggag 5340

tgcaaggaaa agaatgtact aaatgccaaag acatctatatt caggagcatg aggaataaaa 5400
gttctagttt ctggtctcag agtgggtgcat ggatcaggga gtctcacaat ctcttgagt 5460
ctggtgtctt agggcacact ggggtcttga gtgcaaagga tctaggcacg tgaggctttg 5520
tatgaagaat cggggatcgt acccaccctt tgtttctgtt tcctcctggg catgtctcct 5580
ctgcctttgt cccctagatg aagtctccat gagctacaag ggcttggtgc atccaggggtg 5640
atctagtaat tgcagaacag caagtgctag ctctccctcc ccttcacag ctctgggtgt 5700
gggagggggg tgtccagcct ccagcagcat ggggagggcc ttggtcagcc tctgggtgcc 5760
agcagggcag gggcggagtc ctggggaatg aaggttttat agggctcctg ggggaggctc 5820
cccagcccca agctt 5835

On page 194, the paragraph has been amended, as follows:

CEA TRE SEQ ID NO: 14

aagcttttta gtgcttttaga cagtgaagctg gtctgtctaa cccaagtgac ctgggtccca	60
tactcagccc cagaagtga ggggtgaagct ggggtggagcc aaaccaggca agcctaccct	120
cagggtctccc agtggcctga gaaccattgg acccaggacc cattacttct agggtaagga	180
aggtacaaac accagatcca accatggtct ggggggacag ctgtcaaatz cctaaaaata	240
tacctgggag agggagcaggc aaactatcac tgccccaggt tctctgaaca gaacacaggg	300
ggcaacccaa agtccaaatc cagggtgagca ggtgcaccaa atgccagag atatgacgag	360
gcaagaagtg aaggaaccac ccctgcatca aatgttttgc atgggaagga gaagggggtt	420
gctcatgttc ccaatccagg agaatgcatt tgggatctgc cttcttctca ctcttggtt	480
agcaagacta agcaaccagg actctggatt tggggaaaga cgtttatttg tggaggacag	540
tgatgacaat cccacgaggg cctaggtgaa gagggcagga aggtctgaga cactggggac	600
tgagtgaana ccacaccat gatctgcacc acccatggat gctccttcat tgctcacctt	660
tctgttgata tcagatggcc ccattttctg taccttcaca gaaggacaca ggctagggtc	720
tgtgcatggc ctcatcccc ggggccatgt gaggacagca ggtgggaaag atcatgggtc	780
ctctgggtc ctgcagggcc agaacattca tcaccatac tgacctcta gatgggaatg	840
gcttccctgg ggtggggcca acggggcctg ggcaggggag aaaggacgtc aggggacagg	900
gaggaagggc catcgagacc cagcctggaa ggttcttctg tctgaccatc caggatttac	960
ttccctgcat ctacctttgg tcattttccc tcagcaatga ccagctctgc ttctgatct	1020
cagcctccca ccctggacac agcaccacag tccctggccc ggctgcatcc acccaatacc	1080
ctgataaacc aggaccatt acttctaggg taaggagggt ccaggagaca gaagctgagg	1140
aaaggtctga agaagtcaca tctgtcctg ccagagggga aaaaccatca gatgtgaac	1200
caggagaatg ttgaccagg aaagggaccg aggaccaag aaaggagtca gaccaccagg	1260
gtttgcctga gaggaaggat caaggccccg agggaaagca gggctggctg catgtgcagg	1320
acactggtgg ggcataatgt tcttagattc tcctgaatt cagtgtccct gccatggcca	1380
gactctctac tcaggcctgg acatgctgaa ataggacaat ggccttgctc tctctccca	1440
ccatttgga agagacataa aggacattcc aggacatgcc ttctgggag gtccaggttc	1500
tctgtctcac acctcaggga ctgtagttac tgcacagcc atggtaggtg ctgatctcac	1560
ccagcctgtc caggcccttc cactctccac tttgtgacca tgtccaggac caccctcag	1620
atcctgagcc tgcaaatacc cccttgctgg gtgggtggat tcagtzaaca gtgagctcct	1680

On page 203, the paragraph containing line 5 has been amended, as follows:

Mucin-TRE SEQ ID NO:[]15

```
cgagcggccc ctcagcttcg gcgcccagcc cgcgaaggct cccggtgacc actagagggc 60
gggaggagct cctggccagt ggtggagagt ggcaaggaag gaccctaggg ttcacgag 120
cccaggttta ctcccttaag tggaaatttc ttcccccact cctccttggc tttctccaag 180
gagggaaacc aggctgctgg aaagtccggc tggggcgggg actgtgggtt caggggagaa 240
gggggtgtgg aacgggacag ggagcgggta gaaggggtgg gctattccgg gaagtgggtg 300
ggggagggag cccaaaacta gcacctagtc cactcattat ccagccctct tatttctcgg 360
ccgctctgct tcagtggacc cggggagggc ggggaagtgg agtgggagac ctaggggtgg 420
gcttcccgac cttgctgtac aggacctga cctagctggc tttgttccc atccccacgt 480
tagttgttgc cctgaggcta aaactagagc ccagggggcc caagttccag actgcccctc 540
ccccctcccc cggagccagg gagtgggttg tgaaaggggg aggccagctg gagaacaaac 600
gggtagtcag ggggttgagc gattagagcc cttgtaccct acccaggaat ggttggggag 660
gaggaggaag aggtaggagg taggggaggg ggcgggggtt tgtcacctgt cacctgctcg 720
ctgtgcctag ggcgggcggg cggggagtg ggggaccggt ataaagcggg aggcgcctgt 780
gcccgtcca cctctcaagc agccagcgcc tgctgaatc tgttctgccc cctccccacc 840
catttcacca ccaccatg 858
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Beginning on page 203 and ending on page 208, the paragraph containing line 55 (page 203) has been amended, as follows:

α FP-TRE SEQ ID NO:[]16

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gaattcttag aaatatgggg gtaggggtgg tgggtggaat tctgttttca ccccataggt 60
gagataagca ttgggttaaa tgtgctttca cacacacatc acatttcata agaattaagg 120
aacagactat gggctggagg actttgagga tgtctgtctc ataacacttg ggttgtatct 180
gttctatggg gcttgtttta agcttggaac cttgcaacag gggttactga ctttctcccc 240
aagcccaagg tactgtcctc tttcatatc tgttttgggg cctctggggc ttgaatatct 300
gagaaaaatat aaacatttca ataatgttct gtgggtgagat gagtatgaga gatgtgtcat 360
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tcatttgtat caatgaatga atgaggacaa ttagtgtata aatccttagt acaacaatct 420
 gagggtaggg gtggtactat tcaatttcta ttataaaga tacttatttc tatttattta 480
 tgcttgtgac aaatgttttg ttcgggacca caggaatcac aaagatgagt ctttgaattt 540
 aagaagttaa tgggtccagga ataattacat agcttacaaa tgactatgat ataccatcaa 600
 acaagagggt ccatgagaaa ataatctgaa aggtttaata agttgtcaaa ggtgagaggg 660
 ctcttctcta gctagagact aatcagaaat acattcaggg ataattattt gaatagacct 720
 taagggttgg gtacattttg ttcaagcatt gatggagaag gagagtgaat atttgaaaac 780
 attttcaact aaccaaccac ccaatccaac aaacaaaaaa tgaaaagaat ctgagaaaca 840
 gtgagataag agaaggaatt ttctcacaac ccacacgtat agtcaactg ctctgaagaa 900
 gtatatatct aatattttaac actaacatca tgctaataat gataataatt actgtcattt 960
 tttaatgtct ataagtacca ggcattttaga agatattatt ccatttatat atcaaaataa 1020
 acttgagggg atagatcatt ttcatgatat atgagaaaaa ttaaaaacag attgaattat 1080
 ttgcctgtca tacagctaata aattgaccat aagacaatta gatttaaatt agttttgaat 1140
 ctttctaata ccaaagttca gtttactgtt ccatgttgct tctgagtggc ttcacagact 1200
 tatgaaaaag taaacggaat cagaattaca tcaatgcaaa agcattgctg tgaactctgt 1260
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 acaactctg gttcaaagct cctctttatt gcttgtcttg gaaaatttgc tgttcttcat 1380
 ggtttctctt ttcactgcta tctatttttc tcaaccactc acatggctac aataactgtc 1440
 tgcaagctta tgattcccaa atatctatct ctagcctcaa tcttgttcca gaagataaaa 1500
 agtagtattc aaatgcacat caacgtctcc acttgagggg cttaaagacg tttcaacata 1560
 caaacggggg agttttgcct ggaatgtttc ctaaaatgtg tctgtagca cataggggtcc 1620
 tcttgttcct taaaatctaa ttacttttag ccagtgctc atcccaccta tggggagatg 1680
 agagtgaaaa gggagcctga ttaataatta cactaagtca ataggcatag agccaggact 1740
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 agttactaag tctttgactt tatctcatc ataccactca gctttatcca ggccacttat 1860
 ttgacagtat tattgcgaaa acttcctaac tgggtctcctt atcatagtct tatccccctt 1920
 tgaaacaaaa gagacagttt caaaatacaa atatgatttt tattagctcc cttttgttgt 1980
 ctataatagt ccgagaagga gttataaact ccatttaaaa agtctttgag atgtggccct 2040
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ttcaaaactg cattttctct cattccctaa gtgtgcattg ttttccctta ccggttggtt 2160
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 gacttaacat tttattgaat gaataaataa aaccccatct atcgagtgc actttgtgca 2520
 agacccggtt ctgaggcatt tatatttatt gatttattta attctcattt aaccatgaag 2580
 gaggtactat cactatcctt attttatagt tgataaagat aaagcccaga gaaatgaatt 2640
 aactcaccca aagtcattgta gctaagtgac agggcaaaaa ttcaaaccag ttccccaact 2700
 ttacgtgatt aatactgtgc tatactgcct ctctgatcat atggcatgga atgcagacat 2760
 ctgctccgta aggcagaata tggaaggaga ttggaggatg acacaaaacc agcataatat 2820
 cagaggaaaa gtccaaacag gacctgaact gatagaaaag ttgttactcc tgggtgtagtc 2880
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 ttactaaagg cctaccattt gccaggcatt ttacatttg tcccctctaa tcttttgatg 3060
 agatgatcag attggattac ttggccttga agatgatata tctacatcta tatctatatc 3120
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 aatacttcat gactattgct tttcaggat tccttcataa caaatacttt ggctttcata 3480
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 aatggacaaa aactaacaaa tgaatgggaa ttgtacttga ttagcattga agaccttggt 3720
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taaaattatt ataggacttg gtttattagg gcttgtgctc taagttttct atgttaagcc 4560
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tgtttctgag ctaaacaatg acagcataat tatcaagcaa tgataatttg aaatgaattt 4680
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5224